

## Datasheet for 605-301-002

**Goat IgG (H&L) Antibody****Overview**

|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>Description:</b>  | Mouse Anti-Goat IgG (H&L) Antibody - 605-301-002 |
| <b>Item No.:</b>     | 605-301-002                                      |
| <b>Size:</b>         | 1 mg                                             |
| <b>Applications:</b> | ELISA, WB                                        |
| <b>Reactivity:</b>   | Goat                                             |
| <b>Host Species:</b> | Mouse                                            |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. |
| <b>Synonyms:</b>     | Mouse anti-Goat IgG Antibody                                                                                                                                                                                                                                                                                                    |
| <b>Host Species:</b> | Mouse                                                                                                                                                                                                                                                                                                                           |
| <b>Specificity:</b>  | IgG (H&L)                                                                                                                                                                                                                                                                                                                       |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                      |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                             |

**Target Details**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity:</b>         | Goat                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen:</b>          | Goat IgG whole molecule                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity/Specificity:</b> | Goat IgG (H&L) Antibody was prepared from monospecific polyclonal ascites by immunoaffinity chromatography using Goat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse Serum, Goat IgG and Goat Serum. No reaction was observed against Rabbit, Human or Mouse Serum Proteins. |

## Application Details

|                                |                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b>    | ELISA                                                                                                                                                                        |
| <b>Suggested Applications:</b> | WB (Based on references)                                                                                                                                                     |
| <b>Application Note:</b>       | Anti-Goat IgG antibody has been tested by ELISA and is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency. |
| <b>Assay Dilutions:</b>        | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                              |
| <b>ELISA:</b>                  | 1:20,000 - 1:100,000                                                                                                                                                         |
| <b>IHC:</b>                    | 1:1,000 - 1:5,000                                                                                                                                                            |
| <b>WB:</b>                     | 1:2,000 - 1:10,000                                                                                                                                                           |

## Formulation

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                  |
| <b>Concentration:</b>  | 1.0 mg/ml by UV absorbance at 280 nm                       |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.01% (w/v) Sodium Azide                                   |
| <b>Stabilizer:</b>     | None                                                       |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                                                                      |
| <b>Storage Condition:</b>  | Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                        |

## References

- Xu ZL et al. B7<sub>2</sub>/H3 promotes malignant progression of muscle-invasive bladder cancer. *Oncol Rep.* (2018)

## Disclaimer

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